

605117
STOCK CODE

Deye

Solar Air Conditioner

ACDC HYBRID



Hybrid Solar



DC Inverter



Wi-Fi control





Smart WiFi



Key components



Brushless DC fan motor



Twin Rotary DC Compressor



Intelligent Grid Indicator



Technical Specifications



ACDC R32

Items	Unit	12000BTU	18000BTU	24000BTU	30000BTU
Mode	/	DTVA1-ACDC-12KR2	DTVA2-ACDC-18KR2	DTVA1-ACDC-24KR2	DTVA1-ACDC-30KR2
Pover AC	Ph-V-Hz	208V-240V/50-60HZ	208V-240V/50-60HZ	208V-240V/50-60HZ	208V-240V/50-60HZ
Power DC, PV, series connection	Max.PV Input Voltage(V)	380	380	380	410
	Start-up Voltage(V)	80	80	80	140
	MPPT Voltage Range(V)	75-360	75-360	75-360	120-360
	Full Load MPPT Voltage Range (V)	200-360	200-360	200-360	240-360
	Max. Input Short Circuit Current (A)	20	20	20	20
	Max.Operating PVInputCurrent(A)	13	13	13	15
	No.of MPP Trackers/No.of Strings per MPPTTracker	1/1	1:1	11	111
Cooling Capacity(T1)	BTU/H	12000	18000	24000	30000
Cooling power input(T1)	W	960	1600	2200	2750
Heating Capacity	BTU/H	13650	18000	24000	30000
Heating power input	W	1050	1450	2100	2700
Compressor Brand	/	GMCC	GMCC	HIGHLY	GMCC
Indoor unit Dimension (WxHxD)	mm	840x205x295	950x310x230	1080x330x237	1080x330x237
Indoor unit Packing(WxHxD)	mm	920x290x360	1045x376x326	1140x382x300	1140x382x300
Outdoor unit Dimension	mm	802x564x323	802x564x323	802x564x323	900x700x337
Outdoor unit Packing (WxHxD)	mm	910x622x405	910x622x405	910x622x405	1006x755x418



100% Eco

Up to 100% Saving in day time



Grid AC Power Limiter

Limit AC power from 0-300W



Savings

No Inverter battery, or Charger controller needed



Wide Operating Temperature

Temperature Range between -10 to +60°C



Max Efficiency

DC-driven



Auto Balance

AC/DC auto balance



Build in Solar MPPT



Intelligent control for detection and adjustment



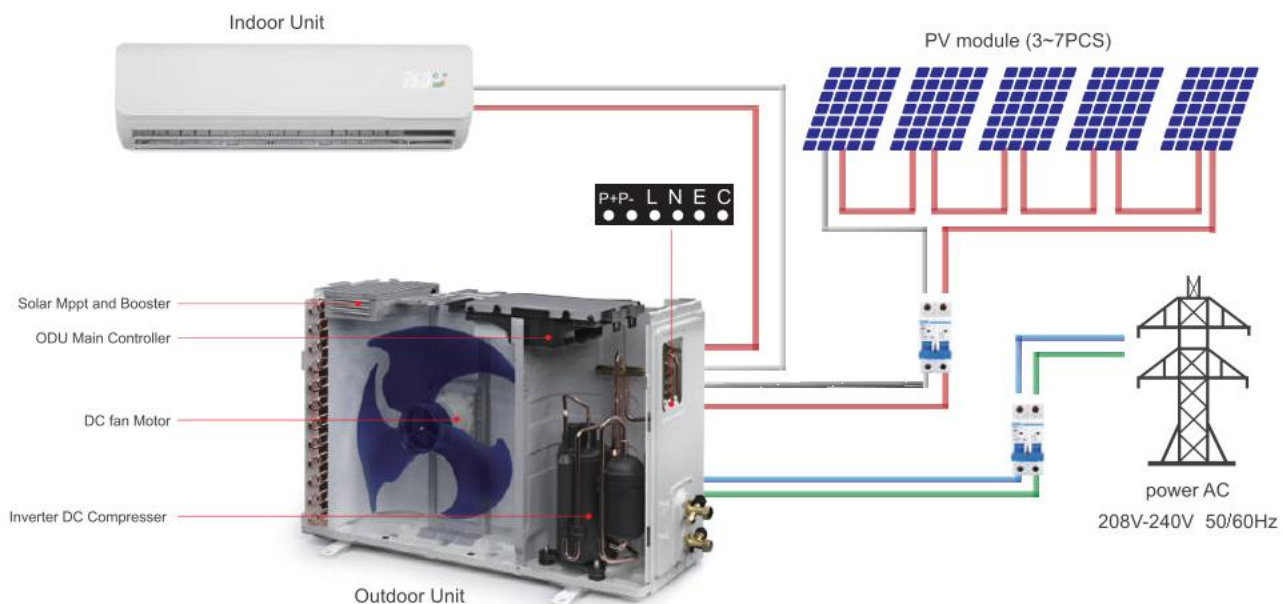
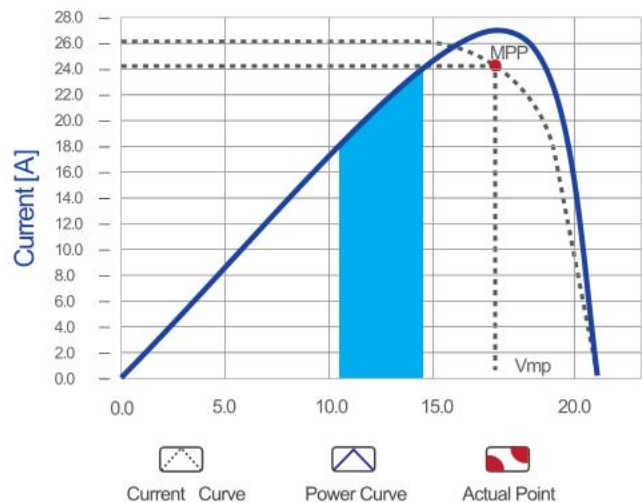
Efficiency:99.9%



DC to DC 0 convert lose



10+ years life design



SVPWM technology



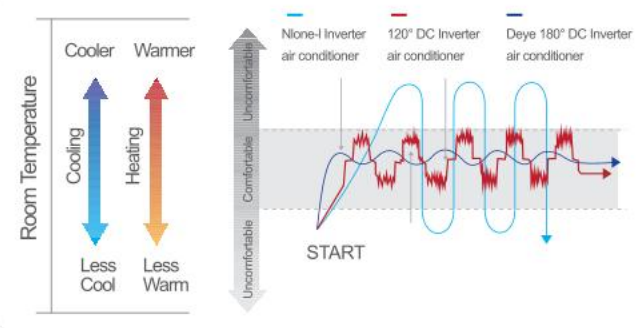
180° sine wave controller technology



Compressor ran below 0.1Hz



Operate during 50% voltage drop





Hybrid Ac/dc



Solar Mppt



SVPWM Control



Full DC Inverter tech

Solar AC Cassette type



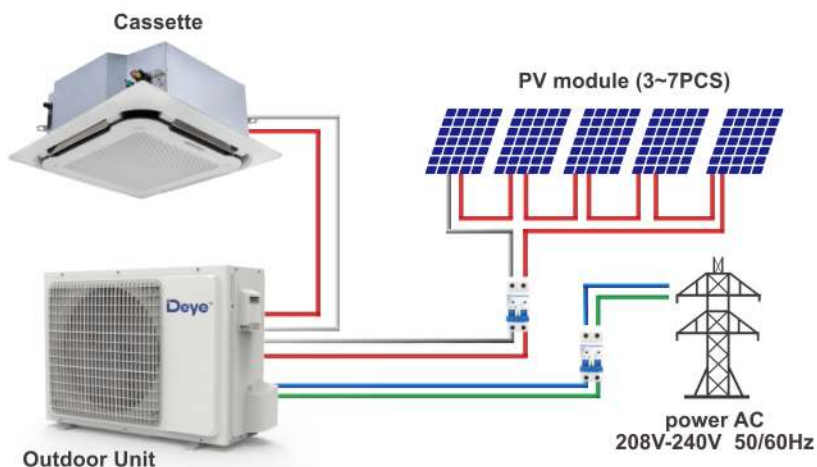
Technical Specifications

Tropical Applicable



 **ACDC R32**

Items	Unit	18000BTU	24000BTU
Mode		DCaWA1-ACDC-18KR2	DCaWMB3-ACDC-24KR2
Solar Power Voltage/ISC	V/A	80~380V/≤14A	150~380V/≤14A
Grid Power Voltage	V/Hz	208V~240V/50~60Hz	208V~240V/50~60Hz
Cooling Capacity	BTU	17600(4050~19800)	22000(6100~24200)
Cooling power input	W	1400(220~1750)	1865(300~2330)
Heating Capacity	BTU	17600(4050~19800)	25200(6100~27700)
Heating power input	W	1310(220~1400)	2000(320~2500)
EER	BTU/W	12.57	11.80
Indoor unit Dimension (WxHxD)	mm	830x830x230	830x830x230
Indoor unit Packing (WxHxD)	mm	925x925x230	925x925x290
Indoor panel Dimension(WxHxD)	mm	950x950x45	950x950x45
Indoor panel Packing(WxHxD)	mm	1030x1030x90	1030x1030x90
Outdoor unit Dimension (WxHxD)	mm	802x564x323	900x700x337
Outdoor unit Packing (WxHxD)	mm	910x622x405	1006x755x418



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DEYE SOLAR MULTI SPLIT SYSTEM—HYBRID ACDC



Hybrid Solar



Build in Solar MPPT



180° sine wave
controller technology



Auto restart



Max Efficiency
DC-driven



Preheat Function



Hybrid Solar



WIFI control



Energy Saving



100% Eco Up to
100% Saving in day time



Specification			27K	36K
DC INVERTER	Model		DW3B1-ACDC -27KR2 (EU)	DW4E1-ACDC -36KR2 (EU)
System Format			1 drive 3	1 drive 4
Power Supply AC		V/Ph/Hz	AC220-240/1/50	AC220-240/1/50
Power supply DC PV String Input Data	Voc		DC 100-410V	DC 100-400/1/50
	Max. PV (DC) Input Current (A)		14A	14+14A
	Max. PV ISC (A)		22A	22+22A
	No.of MPP Trackers		1	2
	No.of Strings per MPP Tracker		1	1
Capacity	Cooling	Btu/h	27000 (7800~29700)	35800 (8500~41300)
		kw	7.9 (2.3~8.70)	10.5 (2.5~12.1)
	Heating	Btu/h	28000 (8400~31000)	37500 (9100~41000)
		kw	8.2 (2.46~9.09)	11.0 (2.67~12.0)
Electric Data	Cooling Power Input	W	2440 (560~3400)	3250 (680~3750)
	Heating Power Input	W	2210 (560~3400)	2890 (530~3200)
	Rated Current (cooling)	A	10.72	14.28 A
	Rated Current (heating)	A	9.71	12.71 A
Performance	SEER/SCOP	W/W	6.1/4.0	6.15/4.0
	Energy Rate		A++/A+	A++/A+
	EER/COP	W/W	3.23/3.71	3.23/3.80
	Sound Pressure Noise Level	dB(A)	58	60
	Sound Power Noise Level	dB(A)	68	70
Dimension	Net (W*D*H)	mm	888x318x700	942*375*844
	Packing (W*D*H)	mm	1006*418*755	1085*430*1035
Weight	Net/Gross	kg	52.5/56.5	87/74
Piping	Liquid Side	mm(inch)	3x6.35 (1/4)	4x6.35 (1/4)
	Gas Side	mm(inch)	3x9.52 (3/8)	4x9.52 (3/8)
	Max.length for all rooms (m)	m	60	80
	Max.length for one IDU (m)	m	30	35
	Max.height difference between IDU and OU (m)	m	15	15
	Max.height difference between IDUs (m)	m	10	10
Ambient Temp (Cooling/Heating)		℃	-15~52℃/-15~24℃	-15~52℃/-15~24℃

Specification			9K	12K	18K	24K
Model	indoor		DMGA1-ACDC-09KR2(EU)	DMGA1-ACDC-12KR2(EU)	DMGA2-ACDC-18KR2(EU)	DMGA2-ACDC-24KR2(EU)
Capacity	Cooling	Btu/h	9000	12000	17100	24000
	Heating	Btu/h	9550	12300	17550	24000
Electric Data	Power Supply	V	DC 290-380V	DC 290-380V	DC 290-380V	DC 290-380V
	Power Input	W	20	20	50	64
Performance	Air Flow Volume	CFM	365	365	559	765
		m3/h	620	620	950	1300
	Sound Pressure Noise Level	dB(A)	42.5	42.5	46	50
Dimension	Net(W*H*D)	mm	840*205*295	840*205*295	952*310*231	1080*330*237
	Packing(W*H*D)	mm	920*290*360	920*290*360	1045*376*326	1140*382*300
Weight	Net	kg	9.5	9.5	12.0	15.0
	Gross	kg	11.8	11.8	15	17.5
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)
	Drainage	mm	16.9	16.9	16.9	16.9



27 K Outdoor 3 Zones Indoor Maximum			
1 units	2 units	3 units	
18	12+12	9+9+9	
—	12+18	9+9+18	
—	18+18	12+12+12	

36K Outdoor 4 Zones Indoor Maximum			
2 units	3 units	4 units	
12+12	12+12+12	9+9+9+9	
12+18	12+12+18	12+12+12+12	
12+24	12+12+24	12+12+12+18	
18+18	—	12+12+12+24	
18+24	—	—	

Solar Ac Duct type



Hybrid Solar



Build in Solar MPPT



180° sine wave
controller technology



Wi-Fi control



Full DC Inverter tech



One-click
power limiting



Twin Rotary DC
Compressor



Brushless DC
fan motor



Self-cleaning



100% Eco Up to
100% Saving in day time



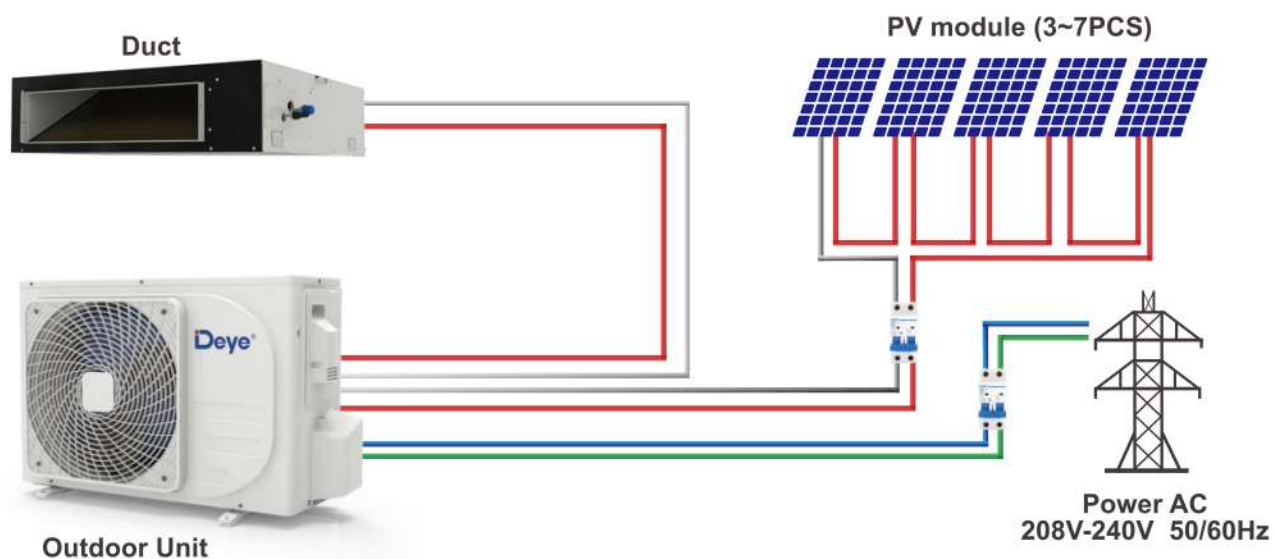
Technical Specifications

Tropical Applicable



 **ACDC R³²**

Items	Unit	24000BTU
Mode	/	DLMDWA3-ACDC-24KR2
Solar Power Voltage/ISC	V/A	150~380V/≤14A
Grid Power Voltage	V/Hz	208V~240V/50~60Hz
Cooling Capacity	BTU	22000(6100~24200)
Cooling power input	W	1865(300~2330)
Heating Capacity	BTU	27000(6100~29700)
Heating power input	W	2140(320~2670)
EER	BTU/W	11.80
Indoor unit Dimension (WxHxD)	mm	980x734x260
Indoor unit Packing (WxHxD)	mm	1065x815x320
Outdoor unit Dimension (WxHxD)	mm	900x700x337
Outdoor unit Packing (WxHxD)	mm	1006x755x418



Off Grid DC 48V Solar Air conditioner



Technical Specifications

Tropical Applicable

   **DC48V R410A**

Items	Unit	9000BTU	12000BTU	18000BTU
Mode	/	DGWA1-DC48V-09K	DGWA1-DC48V-12K	DGWA1-DC48V-18K
Voltage	V	DC48V(46~58V)	DC48V(46~58V)	DC48V(46~58V)
Cooling Capacity	BTU	9000(3400-10000)	12000(3400-12600)	17090(4400-19500)
Cooling power input	W	640(180-750)	930(200-1080)	1360(250-1660)
Heating Capacity	W	2900(800-3300)	3900(1000-4000)	5150(1500~5250)
Heating power input	W	680(160-864)	1030(180-1020)	1260(250~1410)
EER	BTU/W	14.06	12.90	12.57
Indoor unit Dimension (WxHxD)	mm	840x205x295	840x205x295	1080x330x237
Indoor unit Packing (WxHxD)	mm	920x290x360	920x290x360	1140x300x382
Outdoor unit Dimension (WxHxD)	mm	802x564x323	802x564x323	802x564x323
Outdoor unit Packing (WxHxD)	mm	910x622x405	910x622x405	910x622x405

APPLICATION

Ideal for places with no power or power stability issues



Remote telecom stations



Island locations



Container houses



Boating

Key components



Brushless DC fan motor



Twin Rotary DC Compressor



Intelligent Grid Indicator



Super quite to 16 DB



4D Air supply



Golden fin



Wide operation
TEMP range -10~60°C

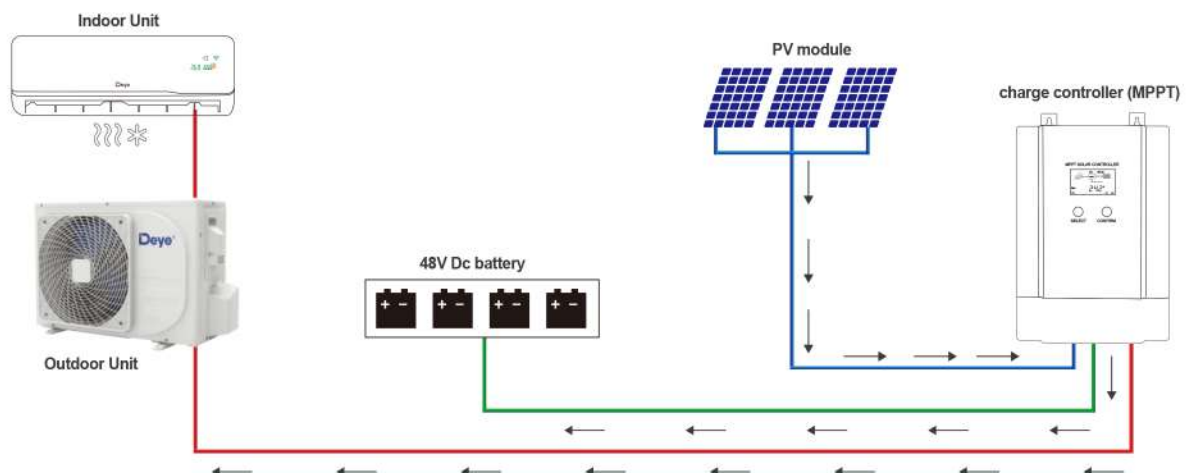


30S fast cooling
60S rapid heating



Rs485 Communication

Off-grid AC-DC 48V operation diagram





let the Sun Pay



WeChat



WhatsApp

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